May 15, 2014

Pam King
Washington Holdings
600 University Street, Suite 2820
Seattle, WA 98101

RE: Water Quality Testing, EPA Tenant Improvement Project
Park Place Building
P1, Diving Operations, Floor 1, 2, 16 and 21
1200 6th Avenue
Seattle, Washington

RGA Job# WAHLD35088

On May 14, 2014, Emily Kahler and Andrea Liljegren, Industrial Hygienists for RGA Environmental, Inc. (RGA) conducted drinking water testing for lead at the above captioned site. Testing conducted in accordance with EPA-812-B-94-002 was conducted to collect samples from locations not previously sampled on floors 1, 2 16. Repeat samples were also collected at the service connector on level P1 and on floors 21 and 16 at locations where previous testing found elevated lead levels. The purpose of the testing was to evaluate the drinking water sources following flushing of the water sources. Emily Kahler and Andrea Liljegren were escorted by the Building Chief Engineer (Toni) from the Park Place building.

SAMPLING PROCEDURES

A total of thirty (30) drinking water samples were collected during the sampling event. Samples were collected in sample bottles provided by the Aquatic Research, Inc. (250 ml, polyethylene with nitric acid preservative). Samples were analyzed for lead in drinking water using EPA Method 200.8.[1] Drinking water samples were collected from accessible cold water sinks and faucets and refrigerators in the women's restrooms (1st and 21st floor), break room(1st floor), water fountain(1st and 2nd floor), diving operations (sink, restroom sink, and shower), the service main (P1), the "Grab and Go" Cafeteria Service Area, and the Maternity room(16th floor), and at the Park Place building in Seattle, Washington.

The sampling protocol for fountains (half from the bottle filler and half from the drinking bubbler), break room and restroom sinks, diving operation shower and the sinks in the "Grab & Go" Cafeteria, consisted of a "first draw" sample (first water out of the tap following at least 8 hours of non-use) and a "secondary draw" sample (water collected after 30 seconds of flushing).

The sampling protocol for the refrigerators consisted of collecting the "first draw" filling the sample container from the supply tap in the wall (first water out of the tap following at least 8 hours of non-use) and a "secondary draw" sample (water collected after 30 seconds of flushing).

The sampling protocol for the Service Connection/ Service Main consisted of opening the tap closest to the service connection located in the garage (P1) and waiting for the water temperature to change from warm to cold before

[1] The water samples collected were submitted within two hours of collection to Aquatic Research, Inc. (lead) in Seattle, Washington for analysis.

collecting the sample for the Service Connection. The water was then flushed for an additional 3 minutes following the collection of the Service Connection sample before collecting the Service Main Sample.

One sample set was collected at the service connector and water main located on the south wall of P1. Three sample sets were collected in the diving operation area (one set each from the sink, the restroom sink and the shower head). Four sample sets were collected on floor 1 (one set from the women's restroom sink and one set each from the sink and refrigerator in the break room, and one set from the water fountain). Planned sampling for men's restroom on the 1st floor could not be conducted due to flushing still in progress at the time of the sampling. One sample set was collected from the gym water fountain on the 2nd floor. Five sample sets were collected on floor 16 (one set from the break room refrigerator, one set from the Maternal Wellness sink, and one set each from the service area prep sink, hand sink, and 3 compartment sink in the "Grab & Go" Cafeteria). One set was collected on floor 21(women's restroom sink).

SAMPLE RESULTS

Table 1 below presents the sample results for lead samples collected on May 14th, 2014.

Table 1—Lead Water Sample Results – May 14, 2014

Location	SAMPLE ID	Lead (Pb) µg/l)	Result
FLOOR 1			
Women's Room Sink	1-WR-FD-1-01	<1.0	Pass
	1-WR-SD-1-02	<1.0	Pass
Water Fountain	1-WF-FD-1-03	<1.0	Pass
	1-WF-SD-1-04	<1.0	Pass
Break Room Sink	1-BRS-FD-1-05	1.2	Pass
	1-BRS-SD-1-06	<1.0	Pass
Break Room Refrigerator	1-BRR-FD-1-07	<1.0	Pass
	1-BRR-SD-1-08	<1.0	Pass
FLOOR 2			
Water Fountain-Gym	2-WF-FD-1-09	<1.0	Pass
	2-WF-SD-1-10	<1.0	Pass
FLOOR 21			
Women's Room Sink	21-WR-FD-1-11	3.0	Pass
	21-WR-SD-1-12	4.8	Pass
FLOOR 16			
Break Room Refrigerator	16-BRR-FD-1-13	<1.0	Pass
	16-BRR-SD-1-14	<1.0	Pass
Service Area 3 Compartment Sink	16-SA3S-FD-1-15	1.1	Pass
	16-SA3S-SD-1-16	2.2	Pass
Service Area Hand Sink	16-SAHS-FD-1-17	9.0	Pass
	16-SAHS-SD-1-18	<1.0	Pass
Service Area Prep Sink	16-SAPS-FD-1-19	<1.0	Pass
	16-SAPS-SD-1-20	<1.0	Pass
Maternal Wellness Room	16-16MW-FD-1-21	27.5	**Action Required**
	16-16MW-SD-1-22	21.5	**Action Required**
PARKING LEVEL 1			
Main Water	P1SC-P1SM-FD-1-23	<1.0	Pass
	P1SC-P1SM-SD-1-24	<1.0	Pass

DIVING OPERATIONS			
Diving Ops Shower	1-DOSW-FD-1-25	46.5	**Action Required**
	1-DOSW-SD-1-26	2.8	Pass
Diving Ops Restroom Sink	1-DOR-FD-1-27	4.9	Pass
	1-DOR-SD-1-28	4.0	Pass
Diving Ops Sink	1-DOS-FD-1-29	1.6	Pass
	1-DOS-SD-1-30	<1/0	Pass
EPA Standard*		**0** **AL: 15 µg/L**	

*EPA Drinking Water Maximum Contaminant Levels

FD=First Draw
16MW=Maternal Wellness Room (16TH Floor)
P1SC/SM=Service Connector/Main (Garage)
SAPS= Service Area Prep Sink
BRS= Break Room Sink
BRR=Break Room Refrigerator
DOR=Diving Operations Restroom Sink
SD=Second Draw
WR=Women's Restroom
WF= Water Fountain
SAHS= Service Area Hand Sink
SA3S= Service Area 3 Compartment Sink
DOSW= Diving Operations Shower
DOS=Diving Operations Sink

CONCLUSIONS

Seventeen of the thirty water samples collected contained no detectable concentrations of lead (above 1 µg/L). Ten of the samples contained lead concentrations between 1 and 15 µg/L. No remedial or mitigation action is required for locations with sample results below the Drinking Water action level. Three samples were above the action level. The three samples above the action level were the first draw sample from the Diving Operations shower, and the first and second draw samples from the 16th Maternal Wellness room. Water from these sources should not be used until the source of lead is determined and mitigated.

LIMITS OF SURVEY

This report does not represent all conditions at the subject site as it only reflects the information gathered from specific locations. Observation or sampling of other work areas was not within the scope of RGA's work and was not performed.

This report was prepared pursuant to the contract RGA has with the client. Unauthorized reliance on or use of this report, including any of its information or conclusions, will be at third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.

RGA appreciates the opportunity to provide you with technical support on this project. If you have any questions, please contact the undersigned at 206-281-8858.

Report Prepared by,

Emily Kahler
Industrial Hygienist
RGA Environmental, Inc.

Report Reviewed by,

Eric Hartman, CIH
Senior Project Manager
RGA Environmental, Inc.

Attachments:
Lab Reports
Sample Location Maps

IEH - AQUATIC RESEARCH
LABORATORY & CONSULTING SERVICES
3927 AURORA AVENUE NORTH, SEATTLE, WA 98103
PHONE: (206) 632-2715 FAX: (206) 632-2417

CASE FILE NUMBER: MIS032-85 **PAGE 1**
REPORT DATE: 05/15/14
DATE SAMPLED: 05/14/14 **DATE RECEIVED:** 05/14/14
FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER SAMPLES FROM RGA ENVIRONMENTAL

CASE NARRATIVE

Thirty water samples were received by the laboratory in good condition and analyzed according to the chain of custody. No difficulties were encountered in the preparation or analysis of these samples. Sample data follows while QA/QC data is contained on the subsequent pages.

SAMPLE DATA

SAMPLE ID	LEAD (ug/L)
1-WR-FD-101	<1.0
1-WR-SD-102	<1.0
1-WF-FD-103	<1.0
1-WF-SD-104	<1.0
1-BRS-FD-105	1.2
1-BRS-SD-106	<1.0
1-BRR-107	<1.0
1-BRR-108	<1.0
2-WF-FD-109	<1.0
2-WF-SD-110	<1.0
21-WR-FD-111	3.0
21-WR-SD-112	4.8
16-BRR-FD-113	<1.0
16-BRR-SD-114	<1.0
16-SA35-FD-115	1.1
16-SA35-SD-116	2.2
16-SAHS-FD-117	9.0
16-SAHS-SD-118	<1.0
16-SAPS-FD-119	<1.0
16-SAPS-SD-120	<1.0
16-16MW-FD-121	27.5
16-16MW-SD-122	21.5
P1SC-P1SM-FD-123	<1.0
P1SC-P1SM-SD-124	<1.0
1-DOSW-FD-125	46.5
1-DOSW-SD-126	2.8
1-DOR-FD-127	4.9
1-DOR-SD-128	4.0
1-DOS-FD-129	1.6
1-DOS-SD-130	<1.0

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FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER SAMPLES FROM RGA ENVIRONMENTAL

QA/QC DATA

QC PARAMETER	LEAD (ug/L)	LEAD (ug/L)
METHOD	EPA 200.8	EPA 200.8
DATE ANALYZED	05/14/14	05/14/14
REPORTING LIMIT	1.0	1.0
DUPLICATE		
SAMPLE ID	1-WR-FD-101	1-DOS-SD-130
ORIGINAL	<1.0	<1.0
DUPLICATE	<1.0	<1.0
RPD	NC	NC
SPIKE SAMPLE		
SAMPLE ID	1-WR-FD-101	1-DOS-SD-130
ORIGINAL	<1.0	<1.0
SPIKED SAMPLE	47.7	45.9
SPIKE ADDED	50.0	50.0
% RECOVERY	95.40%	91.80%
QC CHECK		
FOUND	47.7	47.7
TRUE	50.0	50.0
% RECOVERY	95.40%	95.40%
BLANK	<1.0	<1.0

RPD = RELATIVE PERCENT DIFFERENCE.
NA = NOT APPLICABLE OR NOT AVAILABLE.
NC = NOT CALCULABLE DUE TO ONE OR MORE VALUES BEING BELOW THE DETECTION LIMIT.
OR = RECOVERY NOT CALCULABLE DUE TO SPIKE SAMPLE OUT OF RANGE OR SPIKE TOO LOW RELATIVE TO SAMPLE CONCENTRATION.

SUBMITTED BY:

Damien Gadomski
Project Manager

M13032-35

Aquatic Research Inc.
3927 Aurora Avenue N, Seattle, WA 98103
P 206.632.2715 | F 206.632.2417
www.aquaticresearchinc.com

SHEET 1 OF 2

CHAIN-OF-CUSTODY RECORD

CLIENT:
SAMPLING DATE: 5/14/14
SAMPLERS: EK/AL

PROJECT ID: WAHLD35088
CASE FILE NO.:
DATA RECORDED BY:

SAMPLE INFORMATION

PARAMETERS

SAMPLE ID	DATE/TIME COLLECTED	Lead Method 200.8	BOTT #	NOTES
1-WR-FD-01	5/14/14 0605	X	2	
1-WR-SD-02	5/14/14 0605	X		
1-WF-FD-03	5/14/14 0605	X		
1-WF-SD-04	5/14/14 0605	X		
1-BRS-FD-05	5/14/14 0615	X		
1-BRS-SD-06	5/14/14 0615	X		
1-BRR-07	5/14/14 0620	X		
1-BRR-08	5/14/14 0620	X		
2-WF-FD-09	5/14/14 0625	X		
2-WF-SD-10	5/14/14 0625	X		
21-WR-FD-11	5/14/14 0635	X		
21-WR-SD-12	5/14/14 0635	X		
16-BRR-FD-13	5/14/14 0642	X		
16-BRR-SD-14	5/14/14 0642	X		LABEL ON BOTTLE
16-SAHS-FD-15	5/14/14 0640	X		16-SAHS-FD-15 → 16-SA3S-FD-17
16-SA3S-SD-16	5/14/14 0640	X		
16-SAHS-FD-17	5/14/14 0645	X		
16-SAHS-SD-18	5/14/14 0645	X		
16-SAPS-FD-19	5/14/14 0646	X		
16-SAPS-SD-20	5/14/14 0646	X		

	Relinquished By	Date/Time	Received By	Date/Time
Printed Name	Andrea Lijegren	5/14/14 0800	Olga Analayan	5/14/14 8:00
Signature				
Affiliation	RETA Environmental		ARI	

	Relinquished By	Date/Time	Received By	Date/Time
Printed Name				
Signature				
Affiliation				

Miscellaneous Notes (Hazardous Materials, Quick turn-around time, etc.): P.O. 16080

Aquatic Research Inc.
3927 Aurora Avenue N, Seattle, WA 98103
P 206.632.2715 | F 206.632.2417

www.aquaticresearchinc.com

CHAIN-OF-CUSTODY RECORD

CLIENT:
SAMPLING DATE: 5-14-14
SAMPLERS: EK/AL

PROJECT ID: WAHLD35088
CASE FILE NO.:
DATA RECORDED BY:

SAMPLE INFORMATION

PARAMETERS

SAMPLE ID	DATE/TIME COLLECTED	Lead Method 200.8	BOTT #	NOTES
16-16MW-FD-21	5/14/14 0649	X	1	
16-16MW-SD-22	5/14/14 0649	X		
P1SC-P1SM-FD-23	5/14/14 0700	X		
P1SC-P1SM-SD-24	5/14/14 0700	X		
1-DOSW-FD-25	5/14/14 0713	X		
1-DOSW-SD-26	5/14/14 0713	X		
1-DOR-FD-27	5/14/14 0714	X		
1-DOR-SD-28	5/14/14 0714	X		
1-DOS-FD-29	5/14/14 0720	X		
1-DOS-SD-30	5/14/14 0720	X		
AL	5/14/14			

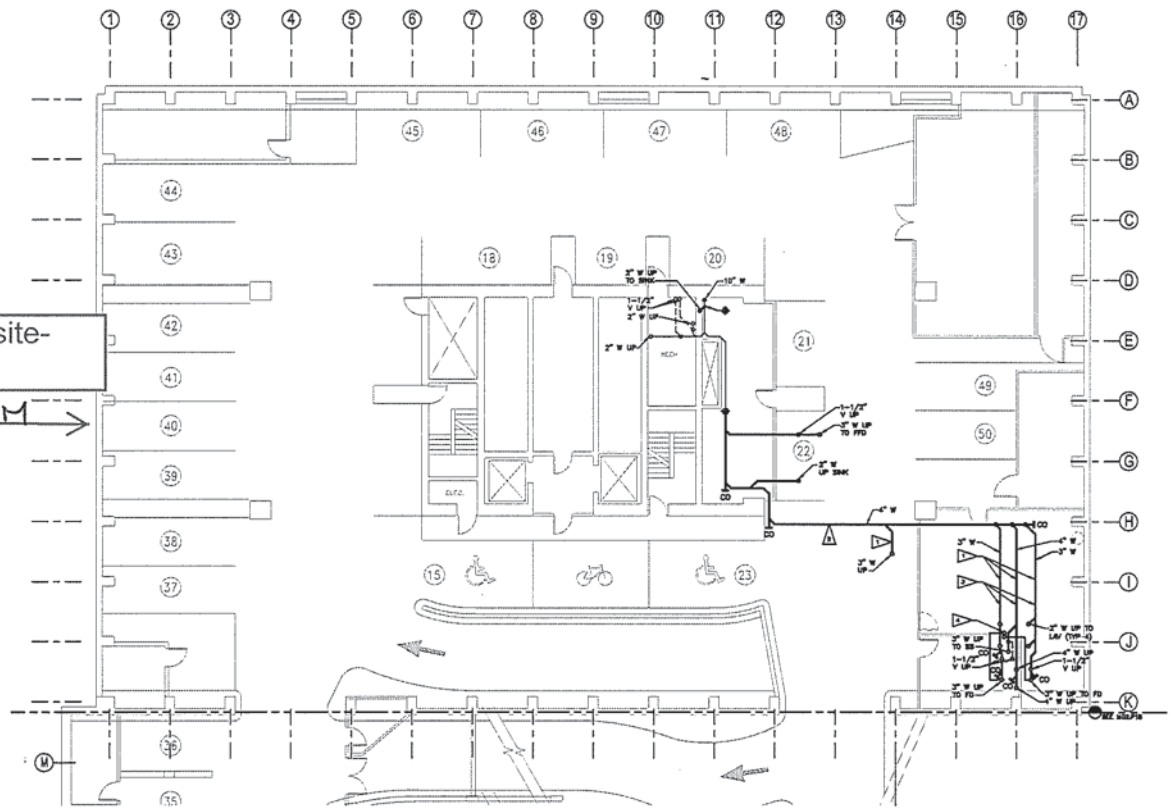
	Relinquished By	Date/Time	Received By	Date/Time
Printed Name	Andrea Liljegren	5/14/14 0800	Olga Anglaryan	5/14/14 8:00
Signature				
Affiliation	RBA Environmental		HRI	

	Relinquished By	Date/Time	Received By	Date/Time
Printed Name				
Signature				
Affiliation				

Miscellaneous Notes (Hazardous Materials, Quick turn-around time, etc.):

Radon test site-
10108138

PISC - PISM →



SHEET NOTES:

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION.
2. MAINTAIN VEHICLE CLEARANCES IN GARAGE. COORDINATE WITH BUILDING OWNER.
3. EXTEND EXISTING FIRE SUPPRESSION SYSTEM TO PROVIDE COMPLETE SPRINKLER COVERAGE FOR NEW FLOOR LAYOUT. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

FLAG NOTES:

A. ROUTE WASTE PIPING IN BEAM POCKET AND KEEP AS CLOSE TO STRUCTURE AS POSSIBLE.

A. MAINTAIN VEHICLE CLEARANCE HEIGHT ABOVE DRIVE. ROUTE WASTE PIPING 1/8" PER FOOT AND KEEP AS CLOSE TO STRUCTURE AS POSSIBLE.

A. CORE DRILL BEAM AT THIS LOCATION. COORDINATE FINAL LOCATION WITH STRUCTURAL.

A. 1/2" TRAP PRIMER UP TO ELECTRONIC MANIFOLD (TYP 2). ROUTE TRAP PRIMER PIPING TO ALL FLOOR DRAINS SERVING RESTROOMS.

PLUMBING PLAN - PARKING LEVEL 1 - NORTH

SCALE: 1/8" = 1'-0"

1

EPA - REGION 10

1200 6th Ave.
Levels 10-16 & 18-21
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	Date & Issue Description	By	Check
	07/12/2011 50% CD / Pricing	AH	RF
	09/12/2011 95% CD / Pricing	AH	RF
	10/24/2011 100% CD	AH	RF
1	12/19/2011 100% CD, Conformed Set	AH	RF
	01/20/2012 95% Combined Set	AH	RF
	07/07/2012 100% Combined Set	AH	RF

Seal/Signature

Project Name
EPA - REGION 10

Project Number
32.8168.000

Description
PLUMBING PLAN - PARKING LEVEL 1 - NORTH

Scale
1/8" = 1'-0"

M02.P1A

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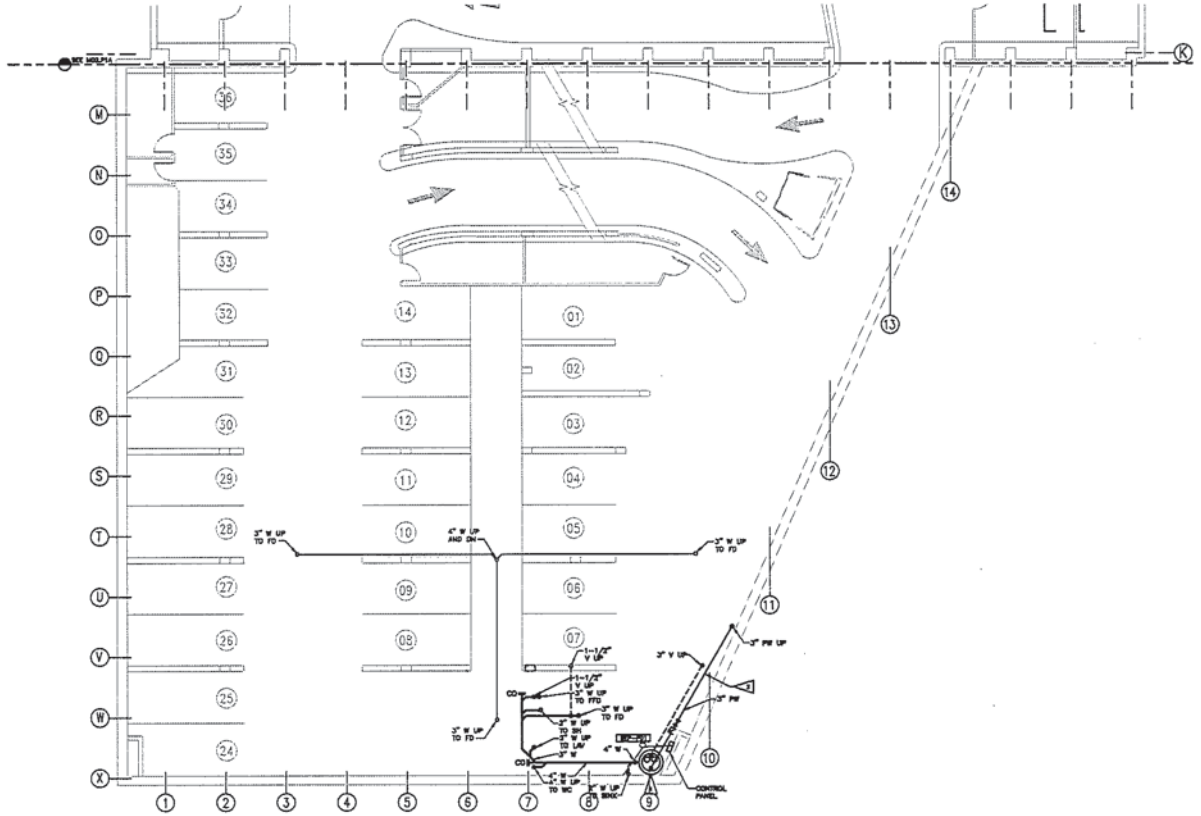
SHEET NOTES:

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION.
2. MAINTAIN VEHICLE CLEARANCES IN GARAGE. COORDINATE WITH BUILDING OWNER.
3. SLOPE WASTE PIPING 1/4" PER FOOT UNLESS OTHERWISE NOTED.
4. EXTEND EXISTING FIRE SUPPRESSION SYSTEM TO PROVIDE COMPLETE SPRINKLER COVERAGE FOR NEW FLOOR LAYOUT. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

FLAG NOTES:

1. REFER TO DETAIL 3/M09.02.
2. HEAT TRACE PIPING. EXTEND HEAT TRACE SERVING PIPING ON FIRST FLOOR.



PLUMBING PLAN - PARKING LEVEL 1 -SOUTH

SCALE: 1/8" = 1'-0"

1

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	Date & Issue Description	By	Check
	07/12/2011 50% CD / Pricing	AH	RE
	09/12/2011 50% CD / Pricing	AH	RE
	10/24/2011 100% CD	AH	RE
1	12/09/2011 100% CD Conformed Set	AH	RE
	01/03/2013 95% Combined Set	AH	RE
	03/07/2013 100% Combined Set	AH	RE

Seal/Signature

Project Name
EPA - REGION 10

Project Number
32.8160.000

Description
PLUMBING PLAN - PARKING LEVEL 1 -SOUTH

Scale
As indicated

M02.P1B

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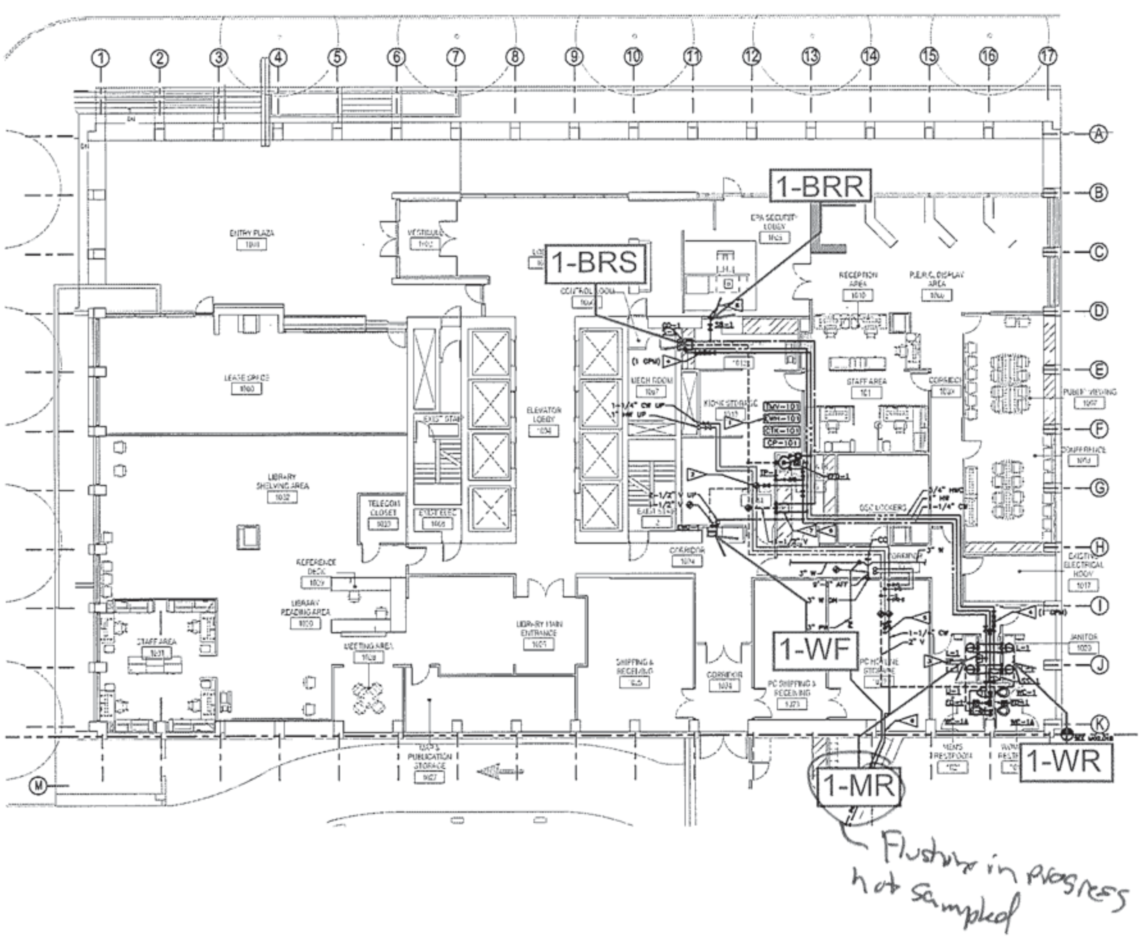

PLUMBING PLAN - 1ST FLOOR - NORTH
SCALE: 1/8" = 1'-0"

1

SHEET NOTES:

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION.
2. EXTEND EXISTING FIRE SUPPRESSION SYSTEM TO PROVIDE COMPLETE SPRINKLER COVERAGE FOR NEW FLOOR LAYOUT. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

FLAG NOTES:

1. REFER TO 4/M09.02 FOR ELECTRICAL WATER HEATER INSTALLATION DETAIL.
2. POC TO COLD WATER SERVICE. 1-1/4" CW.
3. EXTEND TRAP PRIMER PIPING FROM TP-1 TO FLOOR DRAINS IN BOTH MEN'S AND WOMEN'S RESTROOMS.
4. BALANCE HOT WATER CIRCULATION BALANCING VALVE TO FLOW AS INDICATED.
5. VALVE AND CAP (E) HOT WATER PIPING.
6. CORE DRILL CONCRETE WALL TWICE WITH SEPARATE CORES FOR CW AND PW. COORDINATE FINAL LOCATIONS WITH STRUCTURAL. PROVIDE FIRE CAULKING.
7. INSTALL SINK AND FAUCET RELOCATED FROM (E) DIVE TEAM AREA INDICATED ON DRAWING M01.P2A.
8. 1/2" CW. CONNECT TO REFRIGERATOR.
9. PROVIDE NEW FAUCET FOR EXISTING SINK. S-2.

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△	Date & Issue Description		By	Check
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	10/24/2011	100% CD	AH	SF
1	12/08/2011	100% CD, Conformed Set	AH	SF
	01/23/2013	95% Combined Set	AH	SF
	03/07/2013	100% Combined Set	AH	SF

Seal/Signature

Project Name
EPA - REGION 10

Project Number
32.8169.000

Description
PLUMBING PLAN - 1ST FLOOR - NORTH

Scale
1/8" = 1'-0"

M02.01A

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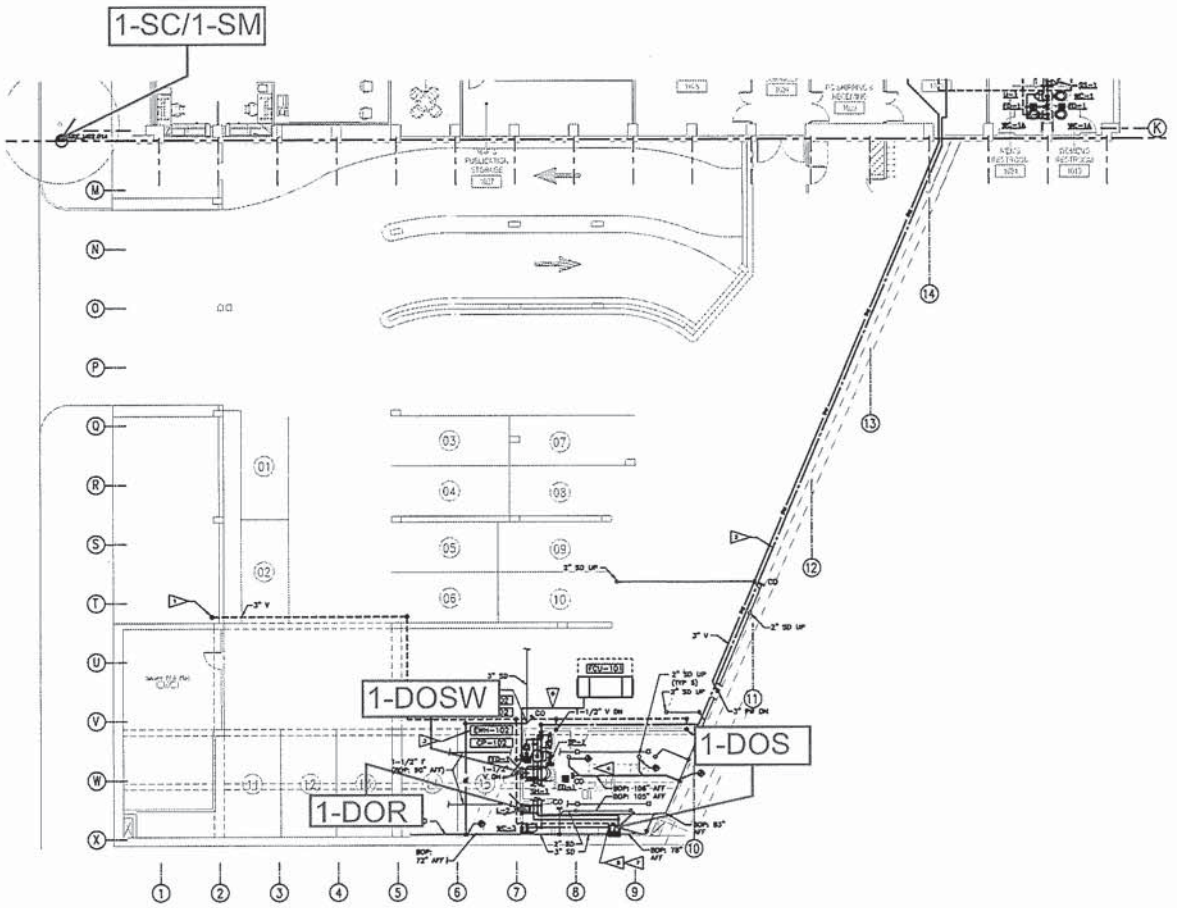
3/7/2013 11:59:22 AM



SHEET NOTES:

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION.
2. MAINTAIN CLEARANCE HEIGHT REQUIRED FOR VEHICLE TRAVEL IN PARKING AREAS.
3. EXTEND EXISTING FIRE SUPPRESSION SYSTEM TO PROVIDE COMPLETE SPRINKLER COVERAGE FOR NEW FLOOR LAYOUT. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

FLAG NOTES:

1. TERMINATE VENT WITH 90 DEGREE ELBOW TURNED TOWARD GROUND. CAP WITH SCREENED OPENING.
2. PROVIDE HEAT TRACE ON CW PIPING AND PUMPED WASTE. LOCATE POWER DISTRIBUTION PANEL AND ELECTRONIC CONTROLLER IN DIVE TEAM ROOM.
3. REFER TO 4/M08.02 FOR ELECTRIC WATER HEATER INSTALLATION DETAIL.
4. EXTEND TRAP PRIMER PIPING TO FLOOR DRAINS.
5. INSTALL SINK AND FAUCET RELOCATED FROM (E) DIVE TEAM AREA INDICATED ON DRAWING M01.P2A.
6. TERMINATE CONDENSATE PIPING INTO FFD-1 WITH MIN 1" AIR GAP. SIZE PER MANUFACTURER'S RECOMMENDATIONS. MIN SIZE 3/4". SLOPE TOWARD DRAIN MIN 1/8" PER FOOT.
7. PROVIDE NEW FAUCET FOR EXISTING SINK. S-2.

PLUMBING PLAN - 1ST FLOOR - SOUTH

SCALE: 1/8" = 1'-0"

1

EPA - REGION 10

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	Date & Issue Description	By	Check
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	09/12/2011 95% CD / Pricing	AM	RE
	10/24/2011 100% CD	AM	RE
1	12/19/2011 100% CD, Conformed Set	AM	RE
	31/01/2013 95% Combined Set	AM	RE
	03/07/2013 100% Combined Set	AM	RE

Seal/Signature

Project Name
EPA - REGION 10

Project Number
22.8169.000

Description
PLUMBING PLAN - 1ST FLOOR - SOUTH

Scale
1/8" = 1'-0"

M02.01B

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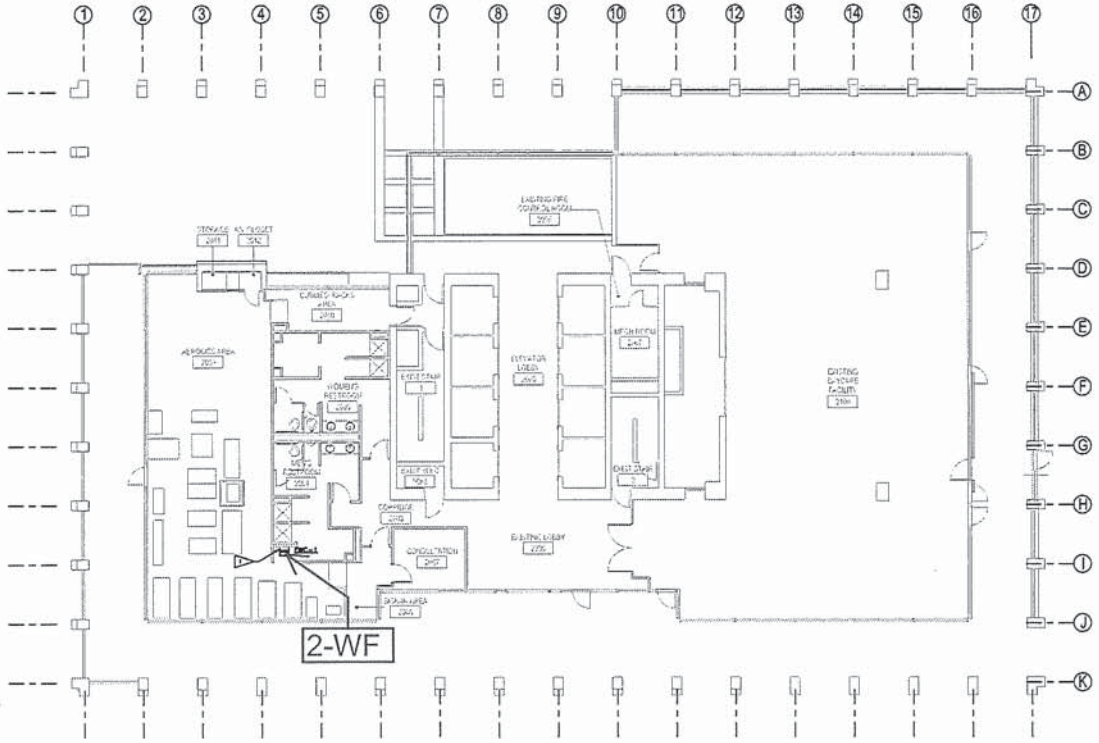
SHEET NOTES:

1. FIELD VERIFY (E) CONDITIONS PRIOR TO STARTING CONSTRUCTION.
2. EXTEND EXISTING FIRE SUPPRESSION SYSTEM TO PROVIDE COMPLETE SPRINKLER COVERAGE FOR NEW FLOOR LAYOUT. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

FLAG NOTES:

1 CONNECT WATER, WASTE AND VENT TO POC AT PIPING SERVING SHOWERS INSTALLED IN ADJACENT CORE RESTROOMS.



PLUMBING PLAN - 2ND FLOOR

SCALE: 1/8" = 1'-0"

1

EPA - REGION 10

1200 6th Ave.
Levels 10-16 & 18-21
Seattle, WA 98101

Gensler

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HARGIS

Hargis Engineers, Inc.
600 Stewart Street, Suite 1600 | Seattle, WA 98101
t | 206.448.3376 f | 206.448.4450 w | hargis.biz

Δ	Date & Issue Description	By	Check
	07/12/2011 50% CD / Pricing	AH	RE
	09/12/2011 95% CD / Pricing	AH	RE
	10/04/2011 100% CD	AH	RE
1	12/05/2011 100% CD Conformed Set	AH	RE
	01/23/2013 95% Combined Set	AH	RE
	03/07/2013 100% Combined Set	AH	RE

Seal/Signature

Project Name
EPA - REGION 10

Project Number
32.8169.000

Description
PLUMBING PLAN - 2ND FLOOR

Scale
1/8" = 1'-0"

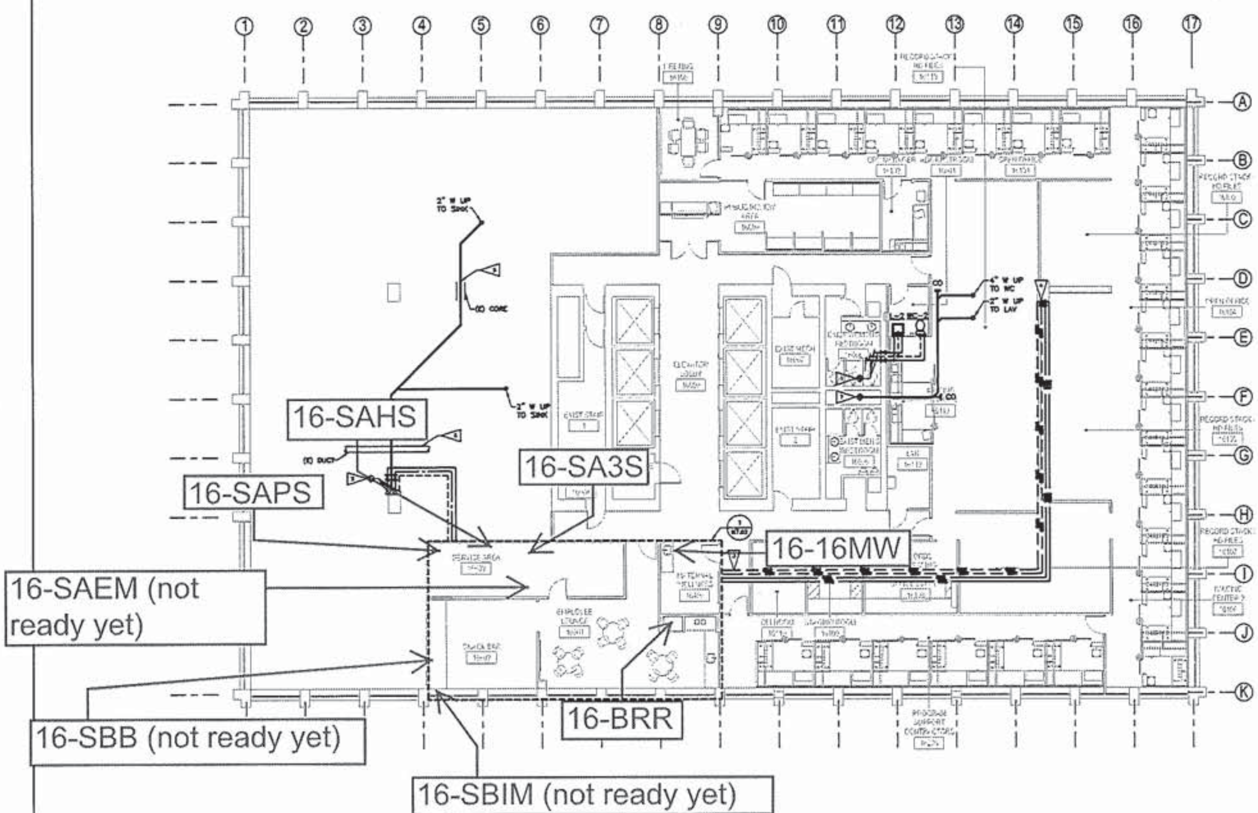
M02.02

SHEET NOTES:

1. SLOPE ALL WASTE PIPING 1/4" PER FOOT.
2. FIELD VERIFY EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION.
3. NEW WORK OCCURS IN OCCUPIED AREA. COORDINATE WITH OWNER BEFORE BEGINNING WORK.
4. EXTEND EXISTING FIRE SUPPRESSION SYSTEM TO PROVIDE COMPLETE SPRINKLER COVERAGE FOR NEW FLOOR LAYOUT. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

FLAG NOTES:

1. CONNECT NEW 3/4" HW, 1-1/4" CW AND 2" V TO EXISTING SERVICE.
2. CONNECT NEW 1" HW, 1-1/4" CW, 2" V AND 4" W TO EXISTING SERVICE. VERIFY POC LOCATION IN FIELD.
3. 2-1/2" CSS AND CSR LINES UP TO DC-1 AND DC-2 ON THE ROOF.
4. 2-1/2" CSS AND CSR LINES DOWN TO CRAC-1 AND CRAC-2 SERVING SERVER/NETWORK ROOM 13800.
5. ROUTE WASTE PIPING THROUGH (E) BEAM PENETRATION.
6. FIELD VERIFY EXISTING DUCTWORK ROUTING FOR POSSIBLE INTERFERENCES WITH NEW WASTE PIPING. PROVIDE OFFSETS IN DUCTWORK AND RELOCATE AS NECESSARY TO ACCOMMODATE THE SLOPE OF THE PIPING.
7. CONNECT 4" WASTE TO EXISTING WASTE RISER. VERIFY POC LOCATION IN FIELD.



PLUMBING PLAN - 16TH FLOOR
SCALE: 1/8" = 1'-0"

1

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Date & Issue Description		By	Check
10/28/2011	50% CD / Pricing	AH	RE
02/05/2012	95% CD / Pricing	AH	RE
04/05/2012	100% CD / Pricing	AH	RE
01/03/2013	95% Combined Set	AH	RE
03/07/2013	100% Combined Set	AH	RE

Seal/Signature

Project Name
EPA - REGION 10

Project Number
32.8169.000

Description
PLUMBING PLAN - 16TH FLOOR

Scale
1/8" = 1'-0"

M02.16

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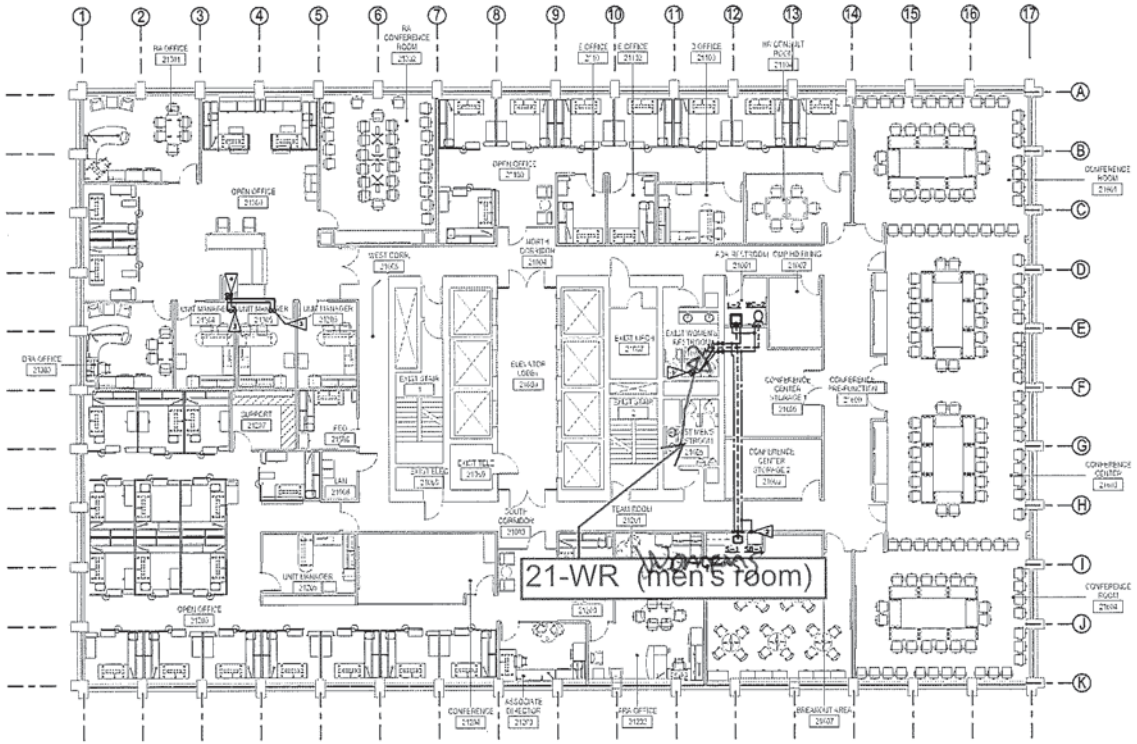
SHEET NOTES:

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION.
2. EXTEND EXISTING FIRE SUPPRESSION SYSTEM TO PROVIDE COMPLETE SPRINKLER COVERAGE FOR NEW FLOOR LAYOUT. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

FLAG NOTES:

1. CONNECT NEW 3/4" HW, 1-1/4" CW AND 2" V TO EXISTING SERVICE.
2. 1/2" CW. CONNECT TO REFRIGERATOR.
3. 2-1/2" GSS AND GSR LINES UP TO DC-1 AND DC-2 ON THE ROOF.
4. 2-1/2" GSS AND GSR LINES DOWN TO CRAC-1 AND CRAC-2 SERVING SERVER/NETWORK ROOM 13600.



PLUMBING PLAN - 21ST FLOOR

SCALE: 1/8" = 1'-0"

1

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Date & Issue Description	By	Check
10/08/2012 50% CD / Pricing	AH	RE
02/20/2013 95% CD / Pricing	AH	RE
04/04/2013 100% CD / Pricing	AH	RE
01/23/2013 95% Combined Set	AH	RE
03/07/2013 100% Combined Set	AH	RE

Seal/Signature

Project Name
EPA - REGION 10

Project Number
32.8160.000

Description
PLUMBING PLAN - 21ST FLOOR

Scale
1/8" = 1'-0"

M02.21

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